

**What is claimed is:**

1. A front-worn respiratory tube without fastening assemblies namely fastening rings, hooks, buttons, clamps, sheaths or strips, comprising a head-top-portion tube, a forehead-portion tube, a  
5 mouth-eyebrow-portion tube, a mouthpiece and a fish-mouth-shaped mouthpiece in a downward direction in sequence; wherein, the aforesaid five parts are either wedge-type structures or join-type structures at three sections (from the head-top-portion tube to the forehead-portion tube, from the forehead-portion tube to the  
10 mouth-eyebrow-portion tube, and from the mouth-eyebrow-portion tube to the mouthpiece portion), and a maximum of four wedge sets having adjustable lengths are utilized for adapting to head dimensions and a height of a nose bridge of a user.
2. The front-worn respiratory tube without fastening assemblies namely  
15 fastening rings, hooks, buttons, clamps, sheaths or strips in accordance with claim 1, wherein a water-drop-shaped transverse sectional area at the head-top-portion tube and a ventilation opening at an uppermost end thereof are for inhaling fresh air and exhaling waste air, discharging accumulated water in the tube, and preventing  
20 water from entering the tube when the respiratory tube is totally

immersed in water; and a deformed wide and flat hollow structure near the head-top-portion is for joining or wedging with an upper end of the forehead-portion tube, thereby maintaining unhindered ventilation.

5     3. The front-worn respiratory tube without fastening assemblies namely fastening rings, hooks, buttons, clamps, sheaths or strips in accordance with claim 1, wherein a wide and hollow bent hollow structure having single cavity or multiple cavities at the forehead-portion, in conjunction with flat wing portions at two sides of  
10     the tube, are steadily stayed closely to a user's head, with the tube staying even more steadily closely as water drag force gets larger when a swimming speed of a swimmer gets faster.

4. The front-worn respiratory tube without fastening assemblies namely fastening rings, hooks, buttons, clamps, sheaths or strips in  
15     accordance with claim 1, wherein a transverse sectional area at an upper end of the mouth-eyebrow-portion tube is a wide and flat hollow structure suitable for joining or wedging with a lower end of the forehead-portion tube to further maintain unhindered ventilation; a transverse sectional area at a lower end of the  
20     mouth-eyebrow-portion tube is transformed into a round, ellipsoidal or

oval hollow structure, or a triangular or rectangular hollow design having a round pointed end; and the lower end of the mouth-eyebrow-portion tube is for wedging or joining with a shorter first end or a longer second end of the mouthpiece.

5 5. The front-worn respiratory tube without fastening assemblies namely fastening rings, hooks, buttons, clamps, sheaths or strips in accordance with claim 1, wherein a transverse sectional area of the first end or the second end of the mouthpiece is round, ellipsoidal or oval in shape, or triangular or rectangular design having a round  
10 pointed end; one end of the mouthpiece is joined or wedged with the lower end of the mouth-eyebrow-portion tube, and the other end thereof is sealed or installed with a one-direction valve serving as an exit for discharging water and air in a downward direction; and a mouth-portion end thereof is round in shape or a rectangular structure  
15 having a round pointed end, and is joined or wedged with the fish-mouth-shaped mouthpiece.

6. The front-worn respiratory tube without fastening assemblies namely fastening rings, hooks, buttons, clamps, sheaths or strips in accordance with claim 1, wherein the fish-mouth-shaped mouthpiece  
20 is a widened, deepened and thickened bite-piece for adapting to

upper-row and lower-row front and rear molar teeth, and permanent teeth of grown-ups; magnitudes of biting force are easily controlled without leading to mouth muscular pains, and lower lips of users can be stretched to a wider extent while leaving breathing of the user unobstructed; the fish-mouth-shaped mouthpiece conforms to a mouth shape when the mouth is opened naturally while doing stretching or light exercises; and a neck of the fish-mouth-shaped mouthpiece is round in shape or a rectangular structure having a round pointed end as well as a long vertical length and a short horizontal length.